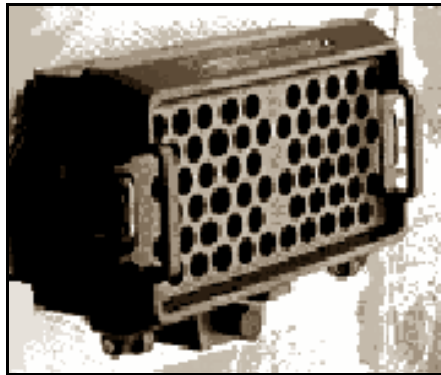


## MAIN GUN SIGNATURE SIMULATOR (MGSS) (MILES 2000) SYSTEM

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### **Functional Description:**

The MGSS is mounted on the M1A1/M1A2 tank and simulates the main gun firing. The MGSS holds 60 pyrotechnics when fully loaded and is “keyless” for safety. When the main gun trigger is activated a signal goes to the MGSS and fires 1 pyrotechnic for each firing. The pyrotechnic creates the flash and bang of the main gun, triggering the Universal Laser Transmitter (ULT).

### **Purpose of Trainer:**

The Purpose of this trainer is to replace Basic MILES systems at home-station due to age of technology and cost to maintain. The MGSS is a component of the Multiple Integrated Laser Engagement System 2000 (M2K). The M2K is a family of training systems which simulate the effects of direct-fire weapons at their operational ranges. The M2K system is primarily used for force-on-force training from squad up to and including Brigade level. The M2K system incorporates a After Action Review capability not in the Basic MILES, which greatly enhances training for the soldiers participating in the exercises. M2K equipment is downward compatible with the Basic MILES equipment presently fielded.

### **Physical Information:**

MGSS Launcher

Interface Cable

Transit case dimensions: 46.3" L x 40.7" W x 17.5" H

(1 MGSS Kits per case)

### **Equipment Required, Not Supplied:**

None

### **Special Installation Requirements:**

None

### **Power Requirements:**

Vehicle power

**Training Category/Level Utilized:**

Combat Arms/Level 3

**Training Requirements Supported:**

ARTEPs 7-15, 17-55, 71-2

MOSCs 11B, 11Z, 19D, 19E, 19Z

**Applicable Publications:**

9-6920-892-10

**Reference Publications:**

None

**Source and Method of Obtaining:**

Available through local TSC

**Logistic Responsible Command, Service, or Agency:**

PEO STRI